

4.2.F. 0604000506 (Big Sandy River).

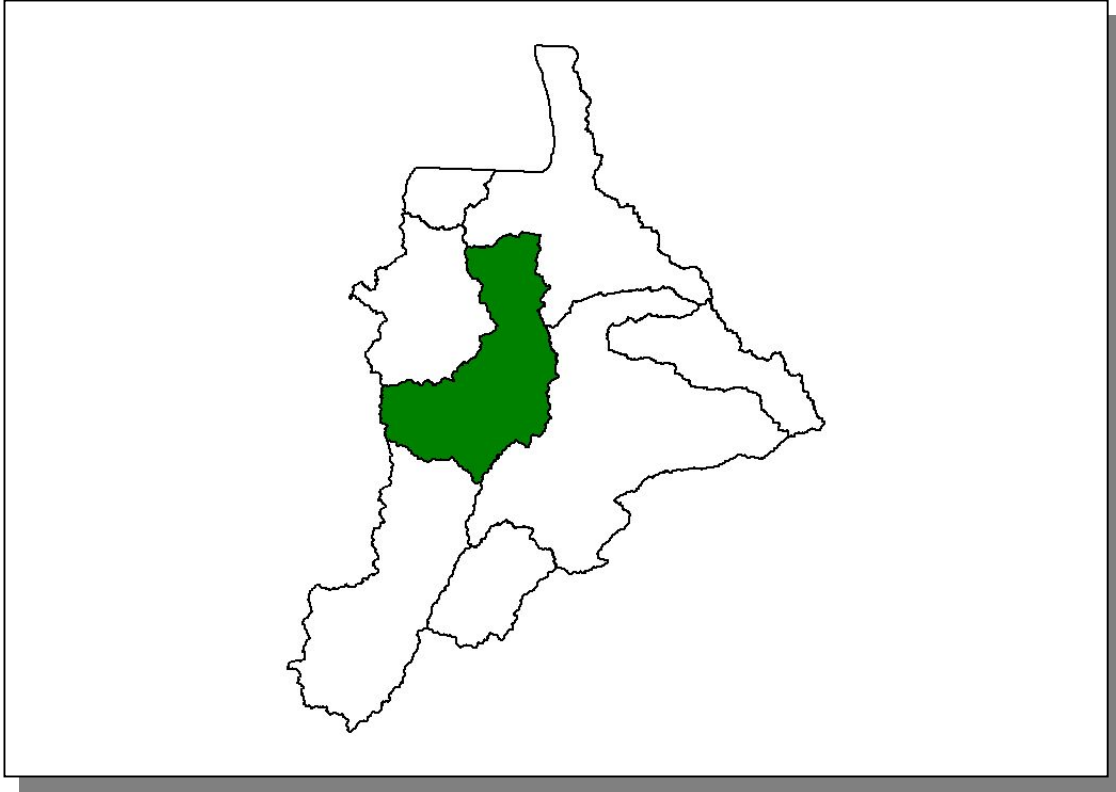


Figure 4-51. Location of Subwatershed 0604000506. All Tennessee Western Valley (KY Lake) HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.2.F.i. General Description.

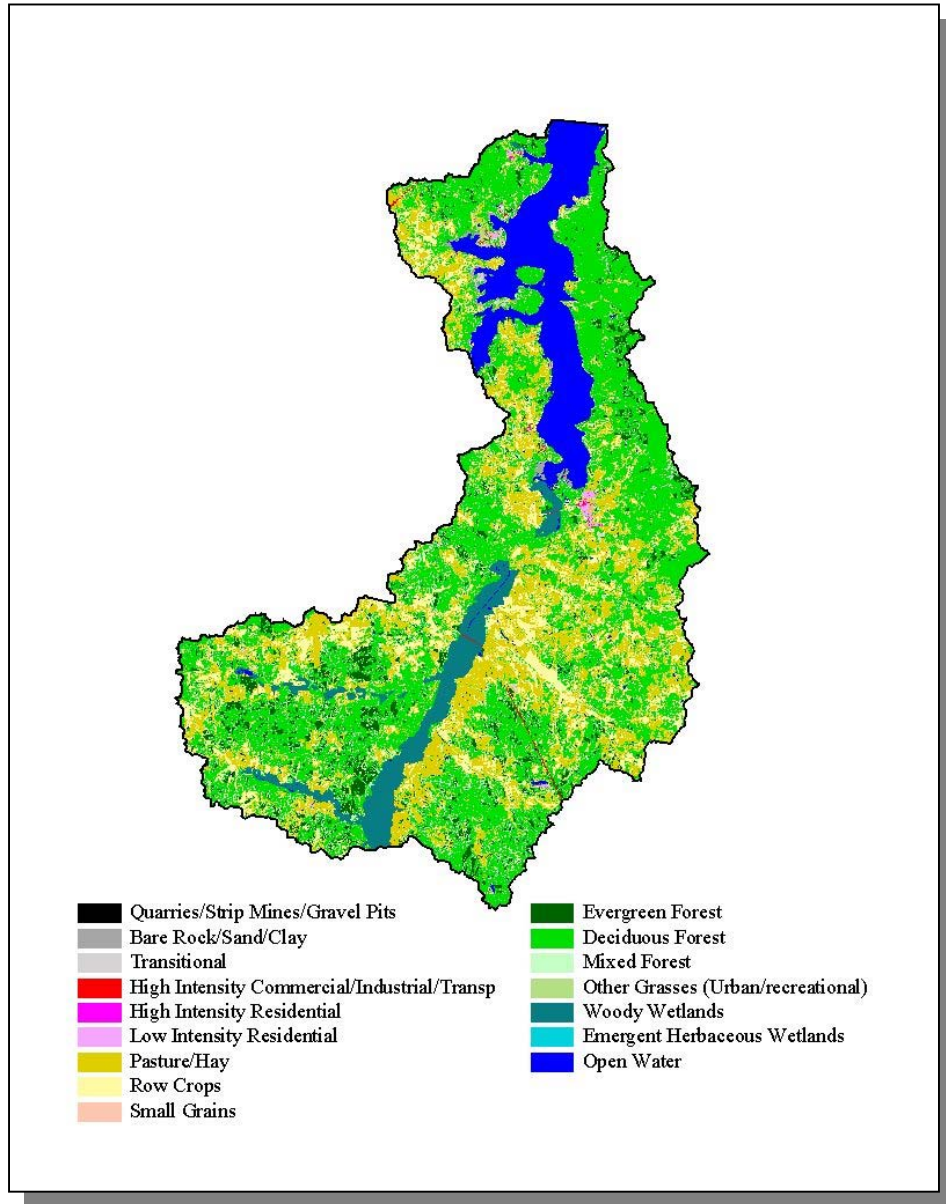


Figure 4-52. Illustration of Land Use Distribution in Subwatershed 0604000506.

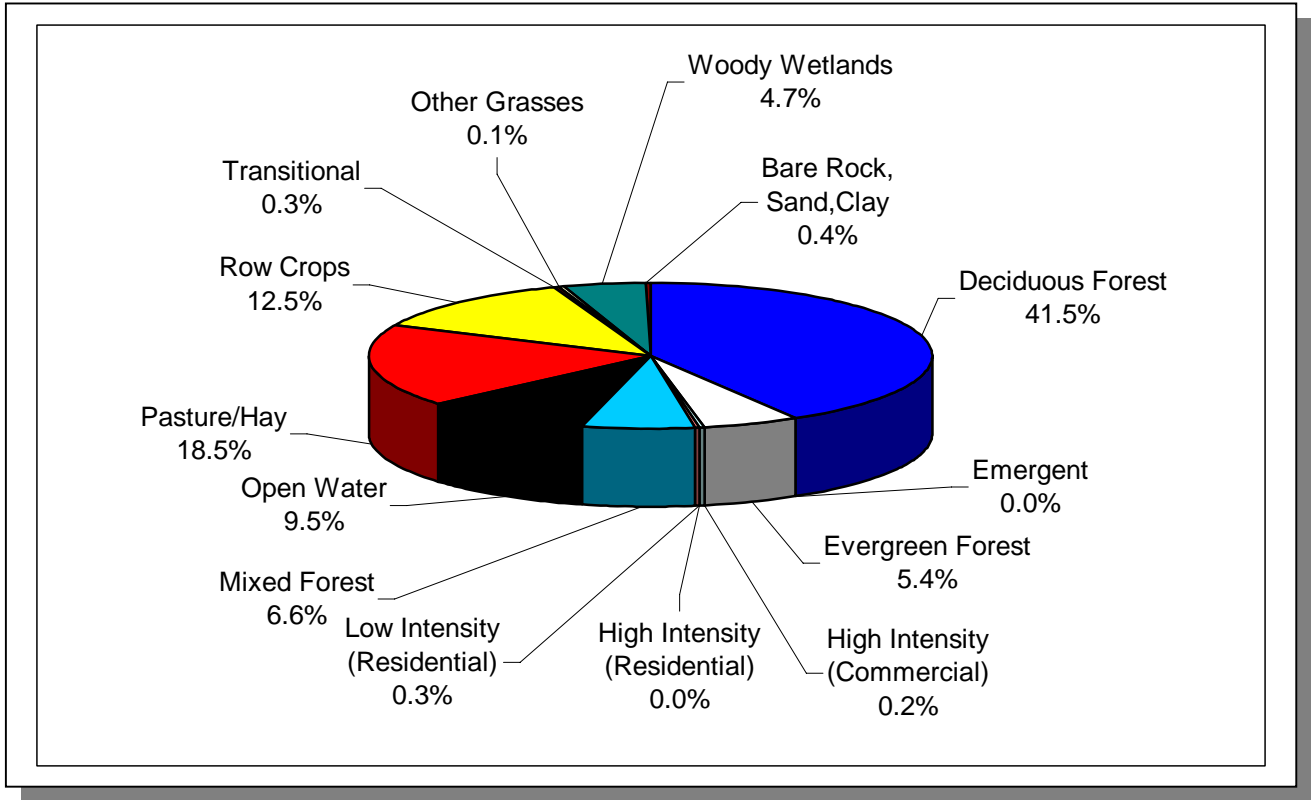


Figure 4-53. Land Use Distribution in Subwatershed 0604000506. More information is provided in Appendix IV.

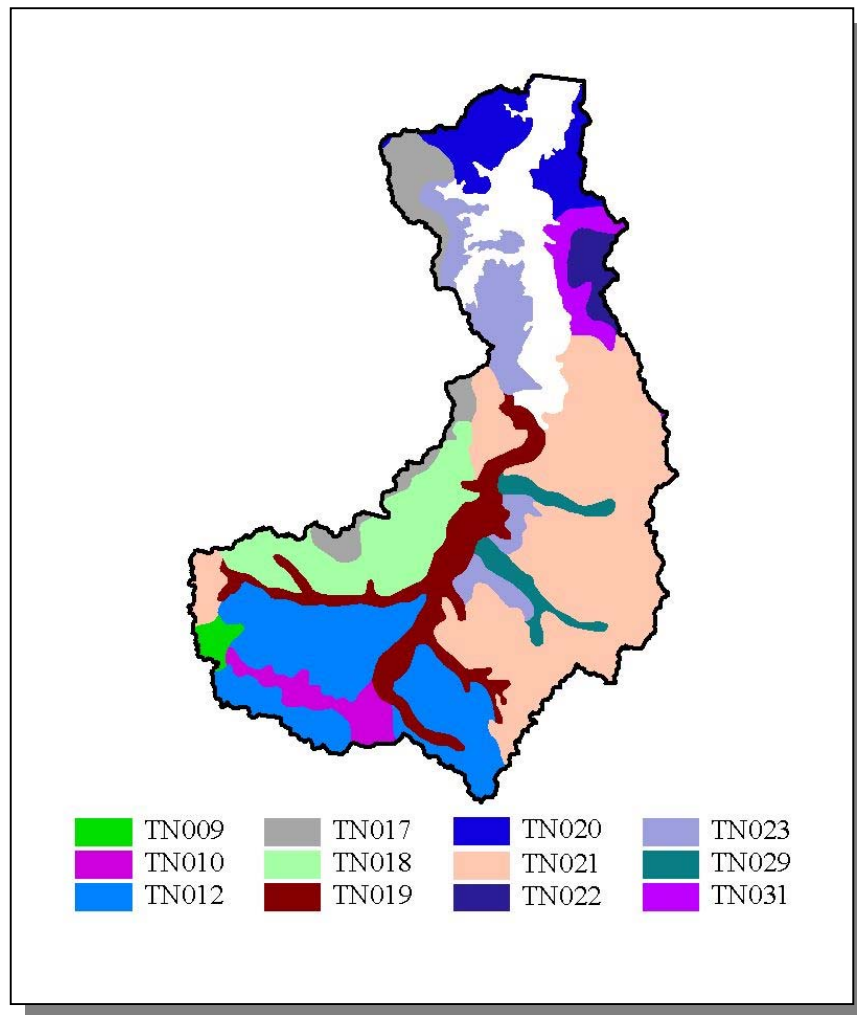


Figure 4-54. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000506.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hr)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN009	14.00	C	1.30	5.10	Silty Loam	0.43
TN010	243.00	C	1.33	5.11	Silty Loam	0.44
TN012	3.00	C	2.52	5.13	Silty Loam	0.39
TN017	0.00	B	1.81	5.26	Silty Loam	0.45
TN018	8.00	B	2.62	5.10	Loam	0.38
TN019	186.00	C	1.54	4.76	Loam	0.26
TN020	0.00	C	1.57	5.11	Silty Loam	0.40
TN021	15.00	C	1.30	5.00	Silty Loam	0.43
TN022	20.00	C	1.98	5.07	Loam	0.37
TN023	51.00	C	1.35	5.12	Silty Loam	0.42
TN029	32.00	C	2.96	5.40	Loam	0.33
TN031	0.00	C	3.27	4.88	Loam	0.33

Table 4-33. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000506. More information is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-1997)
	1990	1997	2000		1990	1997	2000	
Benton	14,524	16,243	16,537	23.4	3,410	3,814	3,883	13.9
Carroll	27,514	28,990	29,475	4.15	1,143	1,204	1,225	7.2
Henry	27,888	29,830	31,115	14.58	4,067	4,350	4,537	11.6
Totals	69,926	75,063	77,127		8,620	9,368	9,645	11.9

Table 4-34. Population Estimates in Subwatershed 0604000506.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Big Sandy	Benton	518	307	253	54	0
Camden	Benton	3,643	1,667	1,422	245	0
Totals		4,161	1,974	1,675	299	0

Table 4-35. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0604000506.

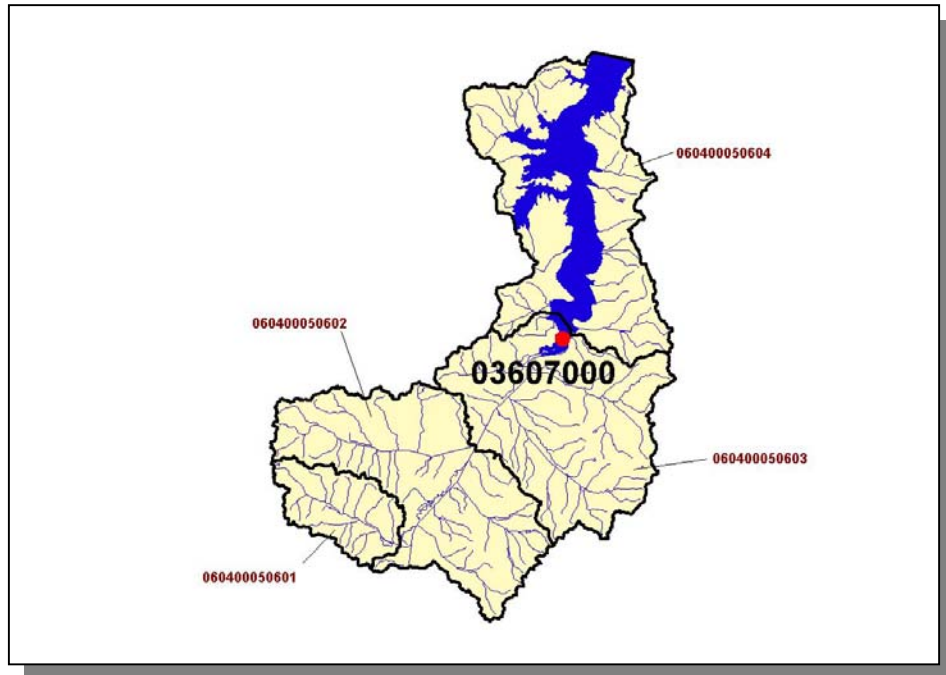


Figure 4-55. Location of Historical Streamflow Data Collection Sites in Subwatershed 0604000506. Subwatershed 060400050601, 060400050602, and 060400050603 boundaries are shown for reference. More information, including site names and locations, is provided in Appendix IV.

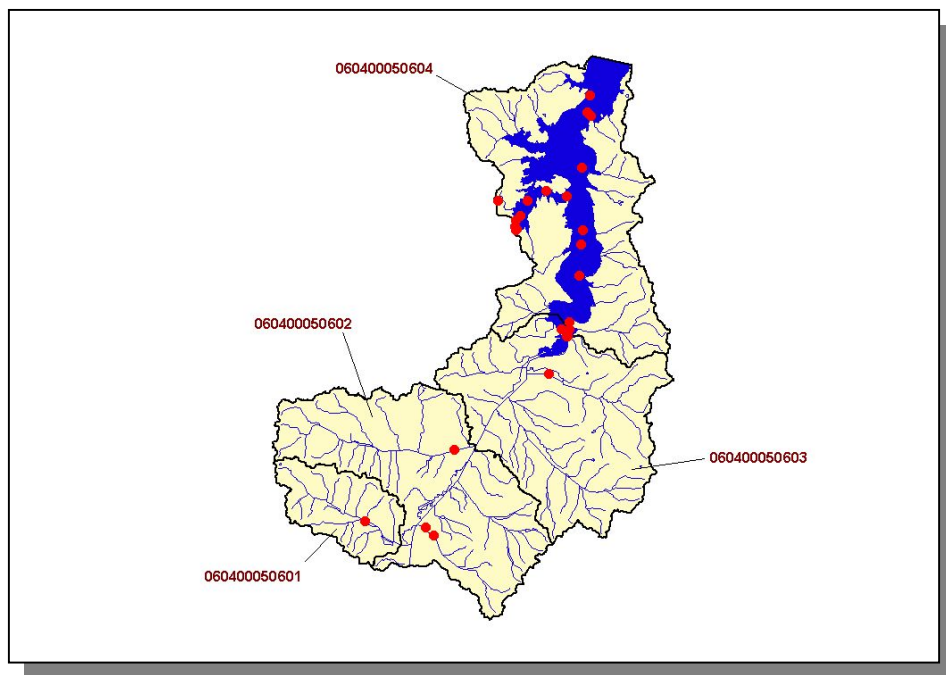


Figure 4-56. Location of STORET Monitoring Sites in Subwatershed 0604000506. Subwatershed 060400050601, 060400050602, and 060400050603 boundaries are shown for reference. More information, including site names and locations, is provided in Appendix IV.

4.2.F.ii. Point Source Contributions.

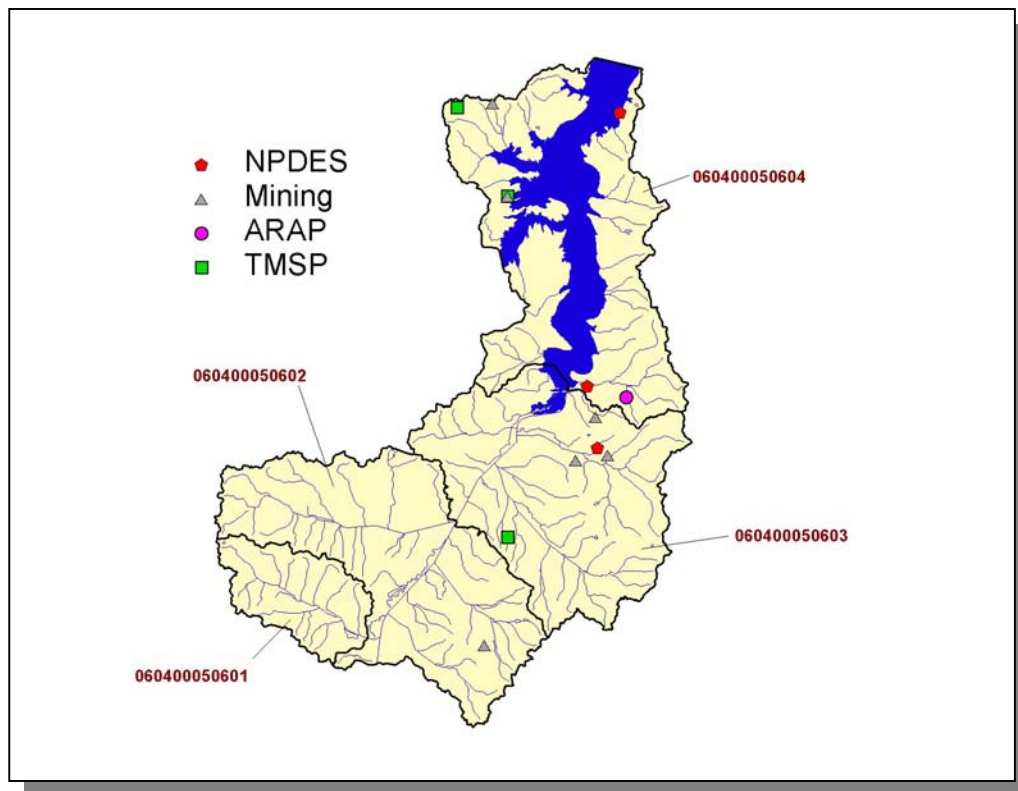


Figure 4-57. Location of Active Point Source Facilities in Subwatershed 0604000506. Subwatershed 060400050601, 060400050602, 060400050603, and 060400050604 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

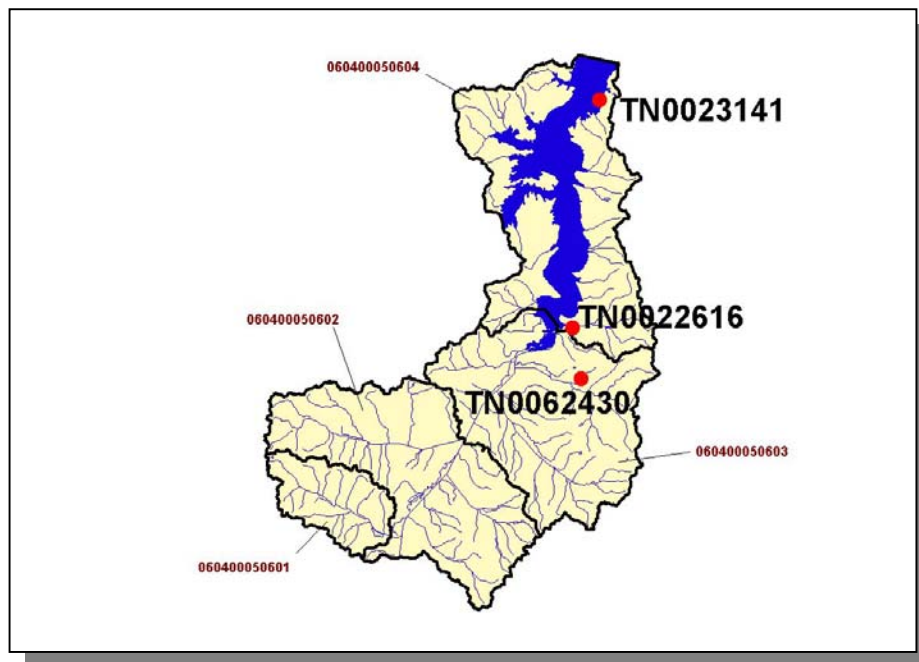


Figure 4-58. Location of NPDES Facilities in Subwatershed 060400050606. Subwatershed 060400050601, 060400050602, 060400050603, and 060400050604 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

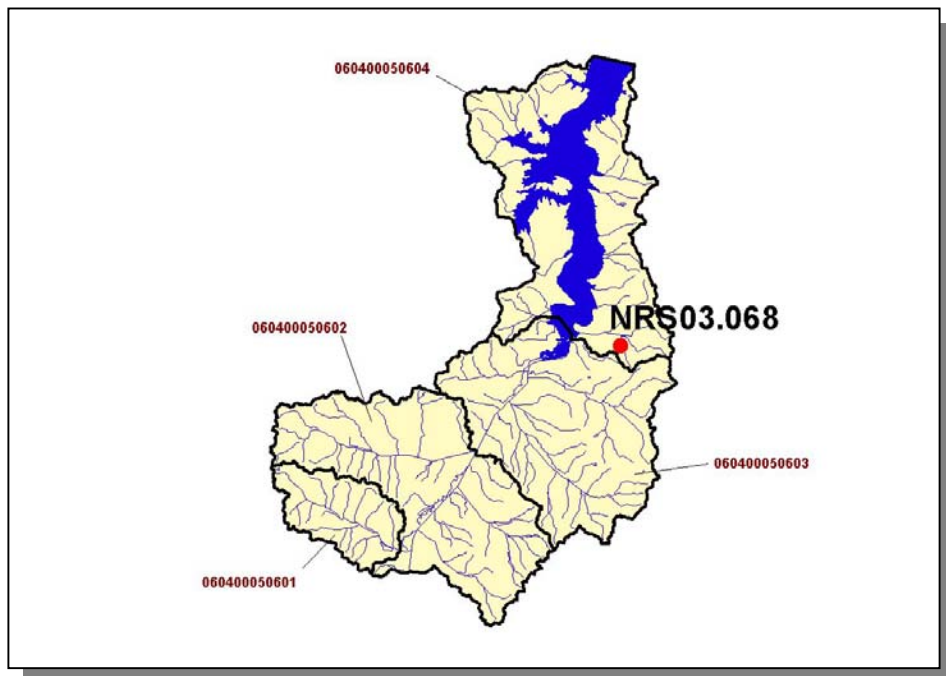


Figure 4-59. Location of ARAP Sites (Individual Permits) in Subwatershed 060400050606. Subwatershed 060400050601, 060400050602, 060400050603, and 060400050604 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

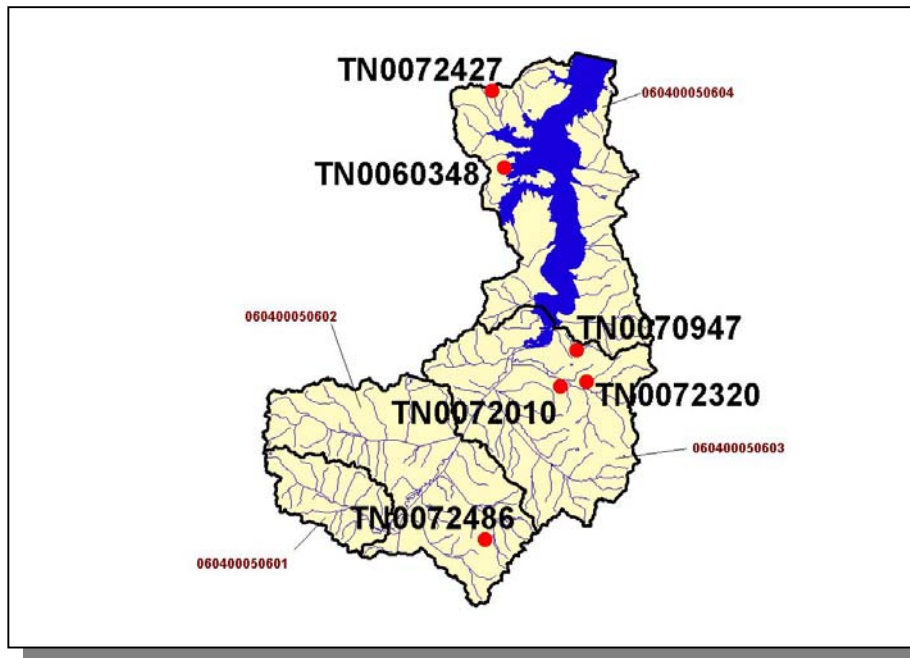


Figure 4-60. Location of Active Mining Facilities in Subwatershed 0604000506. Subwatershed 060400050601, 060400050602, 060400050603, and 060400050604 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

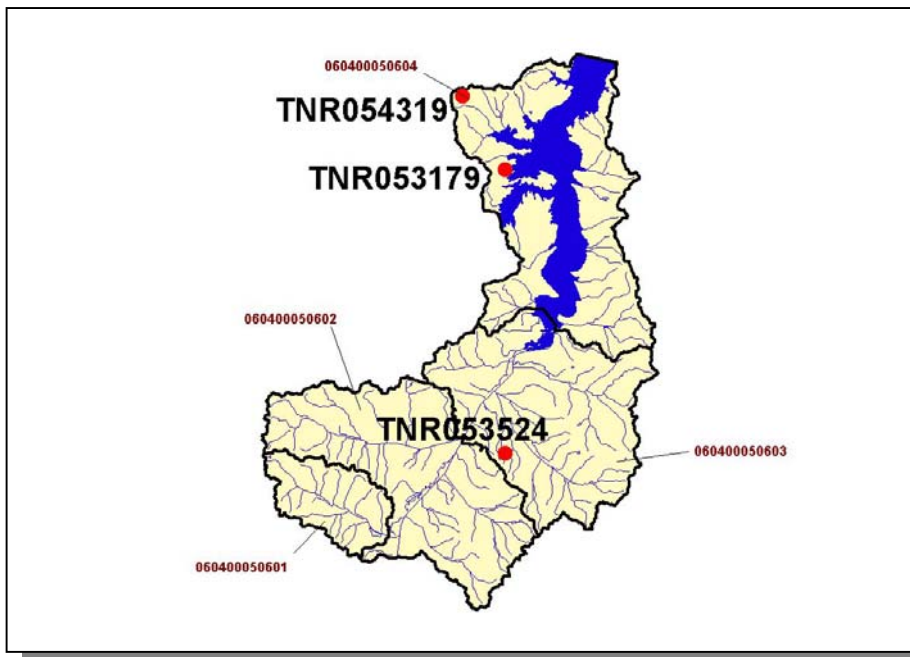


Figure 4-61. Location of TMSP Facilities in Subwatershed 0604000506. Subwatershed 060400050601, 060400050602, 060400050603, and 060400050604 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

4.2.F.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Milk Cow	Cattle	Chickens (Layers)	Chickens Sold	Hogs	Sheep
3,846	189	7,755	16	<5	4,545	8

Table 4-36. Summary of Livestock Count Estimates in Subwatershed 0604000506.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Benton	172.7	172.7	2.1	6.9
Carroll	169.1	169.1	0.6	2.0
Henry	176.1	176.1	1.9	7.1
Total	517.9	517.9	4.6	16.0

Table 4-37. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0604000506.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.29
Grass (Hayland)	0.24
Legumes (Hayland)	0.47
Legumes, Grass (Hayland)	0.19
Grass, Forbs, Legumes (Mixed Pasture)	0.34
Forest Land (Not Grazed)	0.00
Forest Land (Grazed)	0.00
Corn (Row Crops)	5.73
Cotton (Row Crops)	7.58
Soybeans (Row Crops)	5.34
Wheat (Close Grown Cropland)	8.82
Other (Horticultural)	16.41
Other Cropland not Planted	2.48
Nonagricultural Land Use	0.00
Conservation Reserve Program Lands	0.52
Other Land in Farms	0.59
Farmsteads and Ranch Headquarters	0.37

Table 4-38. Annual Estimated Total Soil Loss in Subwatershed 0604000506.